DIGISKY

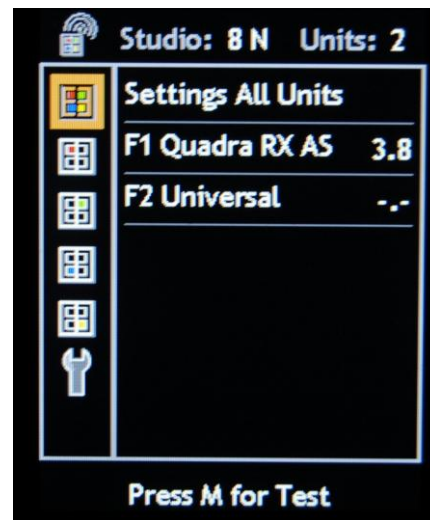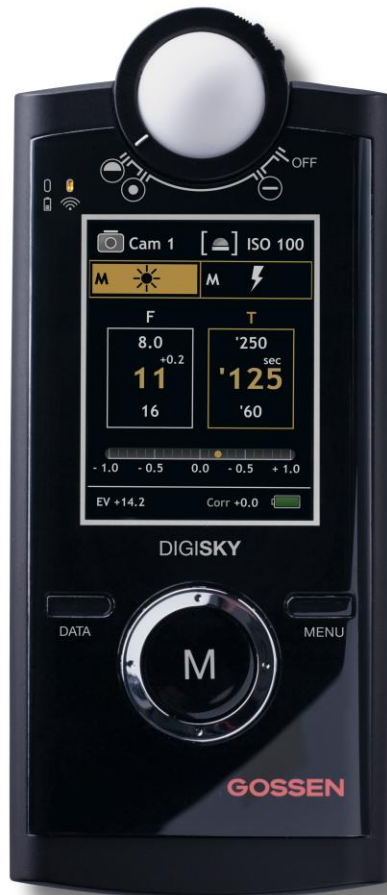**GOSSEN**

Operating Instructions – 15477-01 - V2.01
Part 2 – Additional "Elinchrom" Radio Control

Revision level: 25.02.2013

The basic functions are described in the operating instructions for the DIGISKY.

DIGISKY
Radio Control – Elinchrom

Preparation for use

Please ensure that you are familiar with the operation of your meter and that it is providing consistent, accurate exposures before you commit to photographing any unrepeatable material. We recommend you always carry out test exposures prior to final image capture. Gossen assumes no liability for consequential damages.

Copyrights

- Gossen and DIGISKY are trademarks of Gossen Foto- und Lichtmeßtechnik GmbH.
- Adobe is a trademark of Adobe Systems Corporation.
- Windows is a registered trademark of the Microsoft Corporation of the United States of America in the USA and other countries.
- Elinchrom is a registered trademark of elinchrom ltd., Switzerland

Prerequisites

- DIGISKY with firmware version 2.01 or higher
  If an older firmware version is installed to your DIGISKY, run a firmware update. The Sky Refresh program and current firmware is available from the download page at Gossen's website: www.gossen-photo.de.
  Updates can also be installed by Gossen in Nuremberg for a nominal fee to cover our costs.
- Radio receiver / studio flash unit with Elinchrom radio receiver (e.g. Universal Receiver (speed), BX, RX etc.). An overview of compatible devices is included on page 19 (last revised: date of issuance of these operating instructions).
- For Elinchrom US versions (110V) only the triggering function is available

Operating Modes

The scope of functions coincides with Elinchrom's description under the heading "Direct Device Mode".

- Direct remote control of all Elinchrom RX studio flash units with integrated or externally connected EL-Skyport radio receiver
- Automatic detection of all Elinchrom RX studio flash units with integrated or externally connected EL-Skyport radio receiver (receiver/transceiver)
- Remote control of individual EL-Skyport studio flash units
- Bidirectional communication between the DIGISKY and Elinchrom RX units and modules
- Automatic updating of studio flash settings
- Multi-control function for "All Flash Units" and for "Flash Groups 1 ... 4"
- Setup and storage of up to 3 studiosets (cam 1, cam 2, cam 3)
- Separation of workstations (up to 8) via RF channels 1 through 8
- Control of up to 6 studio flash units (RX and BX)

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Radio Control – Elinchrom

Scope of Functions of Individual Elinchrom Radio Receivers

Radio Receiver Elinchrom EL-skyport (speed)	Trigger	Control	Bidirectional
Universal	X		
BX	X	X	
RX	X	X	X
All US versions (110V)	X		

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Safety Precautions

Please read these safety precautions carefully before using your exposure meter. This will help you to avoid damaging the product and prevent personal injury.

This icon identifies important warnings which should be read in any case before the initial start-up of your Gossen product.

Warnings

In the event of malfunction, switch off the exposure meter immediately.
If the event that smoke develops or unusual odors become apparent, which are caused by either the exposure meter or the power supply, disconnect from mains power immediately and remove the rechargeable battery from the meter in order to prevent possible fire. Continuing to operate the exposure meter or the power supply after such malfunctions have occurred may result in severe injury. Please contact your local dealer or Gossen-Service in order to eliminate malfunctioning. If you bring or send the meter in for repairs, make sure that the rechargeable battery has been removed first.

Never use the exposure meter in proximity to flammable gases.
Electronic devices must not be used near flammable gases. Otherwise there would be danger of explosion and fire.

Never hang the meter and/or the carrying strap around the head or neck of a child.
Danger of strangulation exists if the carrying strap is hung around the head or neck of a child.

Store the exposure meter at a location which cannot be accessed by children.
The exposure meter and its accessories include parts which can be swallowed. Make sure that these parts (e.g. housing covers, rechargeable batteries etc.) do not fall into the hands of children who might swallow them. Otherwise, danger of suffocation prevails.

Use suitable cables only.
Use only the included, original Gossen cables for connection to external devices. Gossen assumes no liability if other cables are used.

Do not dismantle the exposure meter.
Never touch any parts located inside of the housing – injury may result. Never attempt to repair the meter yourself or try to open the meter. Repairs may only be made by qualified personnel. If the meter's housing is damaged due to dropping or other external influences, remove the rechargeable battery or power supply and contact your local dealer or Gossen-Service for repair.

Avoid any and all contact with liquid crystals.
If the display is damaged (e.g. broken), danger of injury due to contact with glass shards or discharge of liquid crystals exists. Make sure that skin, eyes and mouth do not come into contact with the liquid crystals.

CD ROMs
The CD ROMs included with your exposure meter contain relevant documentation and software. These CD ROMs cannot be played with an audio CD player, because they do not contain any audio files. When CD ROMs are played with an audio CD player, interference signals may be generated which lastingly damage human hearing or the audio components of your stereo system.

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Radio Control – Elinchrom

⚠ **Handle rechargeable batteries with care.**
Rechargeable and normal batteries may leak or explode if handled incorrectly. Please adhere to the following safety precautions:

- Make sure that the exposure meter is switched off before removing or inserting rechargeable batteries. If the exposure meter is used with a power supply, then, first of all, the power supply must be disconnected (pull the mains plug out of the electrical outlet).
- Only use the rechargeable batteries which are recommended for this meter.
- Make sure that the rechargeable battery is inserted correctly.
- Never short-circuit rechargeable batteries, and never attempt to open a rechargeable or a normal battery.
- Do not expose the rechargeable batteries to excessive heat or open flames.
- Do not expose the rechargeable batteries to moisture; never immerse rechargeable batteries in water.
- If the meter is not used regularly, remove the rechargeable battery and close the battery compartment cover
- Never store rechargeable batteries together with metallic objects which might cause short-circuiting.
- Danger of leakage exists, especially in the case of empty rechargeable batteries. In order to prevent damage to the exposure meter, rechargeable batteries should be removed when fully depleted or in case of lengthy periods of non-use.
- When not in use, rechargeable batteries should be stored in a cool place.
- Rechargeable batteries heat up during use and may become hot. Be careful not to burn yourself when removing rechargeable batteries. Switch the exposure meter off or wait until it has shut itself down, and then wait a bit longer until the rechargeable battery has cooled down.
- Do not use rechargeable batteries which show any signs of damage such as discoloration or deformation of the housing.

Notes
- Reproduction of product documentation or duplication of any excerpts from the same requires the express consent of Gossen Foto- und Lichtmeßtechnik GmbH. This also applies to duplication in any electronic format and translation into other languages.
- Documentation is subject to change without notice.
- Gossen assumes no liability for damages resulting from incorrect use of the product.
- Documentation for your Gossen exposure meter was prepared with the greatest of care. If you should nevertheless discover errors, or if you would like to suggest any improvements, Gossen would be very pleased to hear from you. (The address of your local Gossen representative is listed separately.)

DIGI**SKY**
Radio Control – Elinchrom

The following icons are used in order to make it easier to find additional information:

‼	**Important safety precautions**: Please read these safety precautions before using the exposure meter in order to avoid damaging your DIGISKY.
!	**Important information** which you should also read before using your DIGISKY
i	**Notes**: additional, useful information regarding use of your DIGISKY
➲	**Reference** to other information included in these operating instructions
M	**Individual functions** which can be configured in the menu

DIGISKY
Radio Control – Elinchrom

1   Preparation

1.1   Studio Flash Units and Modules

For the purpose of communication, all EL-Skyport units and modules must be set to the same RF channel / studio channel (1 ... 8) and the same EL-Skyport mode (Normal / Speed).
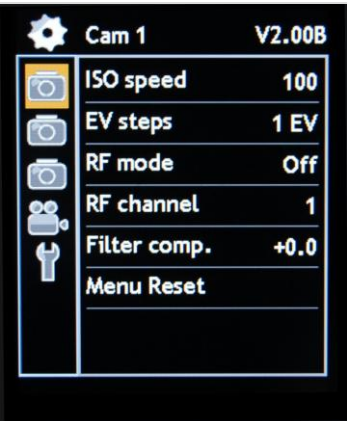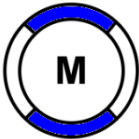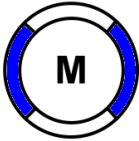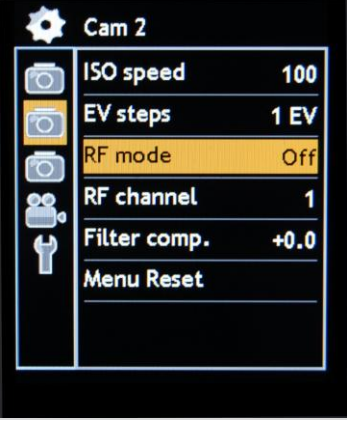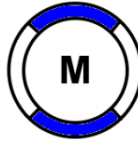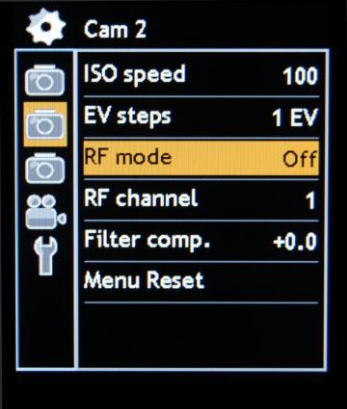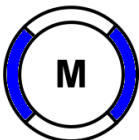
Please refer to the respective Elinchrom product descriptions regarding exact settings for Elinchrom units and modules.

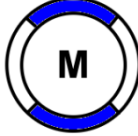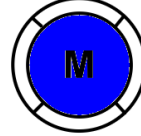### 1.2   DIGISKY – RF Mode and Channel Setup

	Press and hold the menu key ... **MENU** to open the main menu.	
Cam 1 V2.00B ISO speed 100 EV steps 1 EV RF mode Off RF channel 1 Filter comp. +0.0 Menu Reset	Use the ring controller ... **M** to select the desired user: Cam1 – Cam2 – Cam3	Cam 2 ISO speed 100 EV steps 1 EV RF mode Off RF channel 1 Filter comp. +0.0 Menu Reset
Use the ring controller ... **M** to navigate user settings.	Cam 2 ISO speed 100 EV steps 1 EV RF mode Off RF channel 1 Filter comp. +0.0 Menu Reset	Use the ring controller ... **M** to select submenus RF mode / RF channel
Cam 2 ISO speed 100 EV steps 1 EV RF mode Off RF channel 1 Filter comp. +0.0 Menu Reset	Use the ring controller ... **M** to access the modes.	Cam 2 ISO speed 100 EV steps 1 EV RF mode Off / SkyPort / SkySpeed RF channel Filter comp. +0.0 Menu Reset
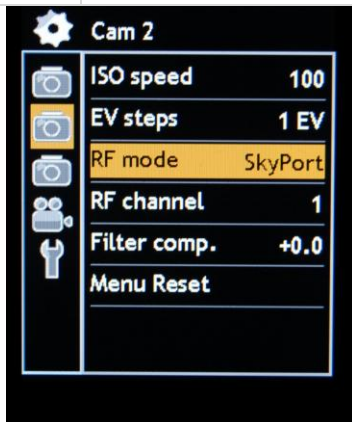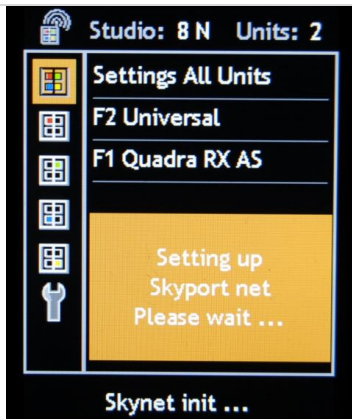
DIGI**SKY**
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	Use the ring controller ... to select the desired value.	Press the M key ... to acknowledge.
After selecting the desired RF mode, enter the desired RF channel to your DIGISKY using the same procedure. After doing so, don't forget to acknowledge entry by pressing the M key.		

EL-Skyport units and modules must be switched on no later than at this point in time.

Press the menu key ... **MENU** to exit the main menu. The DIGISKY starts initializing the radio network and is switched directly to the radio menu. Up to 6 units/modules are displayed.	

!	The time it takes to initialize the radio network depends on the number and type of receivers.
⮌	If EL-Skyport software and/or the EL-Skyport app are active in addition to the Digisky, errors occur in the descriptions list for the RX units and modules. If not all of the units/modules are included in the list, run "Auto Scanning" once again (see page 12). If you're using units without "EL-skyport RX remote control", these will have to be added manually (see "Adding Devices Manually" on page 13).
| ⮌	Save found studiosets to memory if you will use them frequently (see section 3.3.3, "Saving Studiosets", on page 14). Initialization can be avoided in this way when you switch your DIGISKY on. In this case, only the devices/modules in the stored sets are detected and initialized.

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Radio Control – Elinchrom

2   Radio Menu
2.1   The Display Window

Status		
Studio		Units
1 / 2 / 3	Active studioset	Number of active flash units and modules
N	EL-skyport	
S	EL-Skyport speed	

Setting
All units
Group 1
Group 2
Group 3
Group 4

Tools
Auto scanning
Add manually
Save studioset
Clear studioset

Studio: 8 N   Units: 2

Settings All Units

F2 Universal

F1 Quadra RX AS

Setting up
Skyport net
Please wait …

Skynet init …
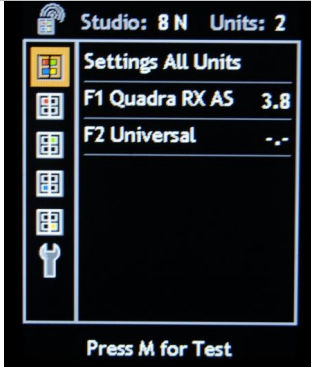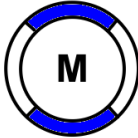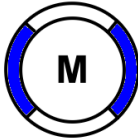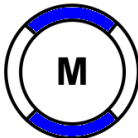
Status Messages
List of active units and modules
Activate Digisky
Warnings
Activate Digisky
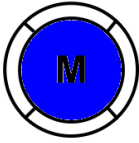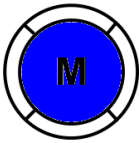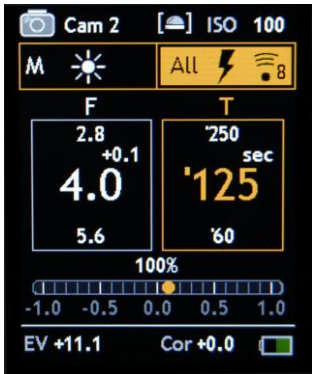
3   Operation

The radio menu can be accessed and exited by pressing the DATA key.	DATA	Studio: 8 N Units: 2 **Settings All Units** F1 Quadra RX AS 3.8 F2 Universal -.- Press M for Test
The ring controller allows for navigation to the individual flash groups and settings.	M	Studio: 8 N Units: 2 **Settings Group 1** F1 Quadra RX AS 3.8 Press M for Test
The ring controller is also used to navigate within the menu. The following changes are possible in all menus: Flash power +/- Pilot light on/off	M	Studio: 8 N Units: 2 Flash-Power rel. 0.0 Pilotlight On/Off Press M for Test
Values are changed with the ring controller.	M	Studio: 8 N Units: 2 Flash-Power rel. +0.5 Pilotlight On/Off Press M for Test

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Changes are acknowledged with the M key.	M	Studio: 8 N Units: 2 Flash-Power rel. 0.0 Pilotlight On/Off Press M for Test
Measurements are stared with the M key. The flash function is immediately displayed along with the previously measured values. For additional settings press the **DATA** key and return to the radio menu.	M	Cam 2 [⏏] ISO 100 M ☀ All ⚡ 📶₈ F T 2.8 '250 +0.1 sec 4.0 '125 5.6 '60 100% -1.0 -0.5 0.0 0.5 1.0 EV +11.1 Cor +0.0 🔋

3.1 The "All Units" Setting

- − All receivers (flash units) detected by the DIGISKY are listed.
- − All changes are accepted at all units.
- − Individual flash units included in the list can be changed.

➲	If not all of the receivers are listed although they are switched on (please double check), start the "Auto Scanning" function (see section 3.3.1, "Auto Scanning", on page 13) or: Flash units which do not transmit their ID codes to the Digisky have to be added manually (see section 3.3.2, "Adding Devices Manually", on page 13).
| ➲	Save studiosets to memory if you will use them frequently (see section 3.3.3, "Saving Studiosets", on page 14). Initialization can be avoided in this way when you switch your Digisky on. In this case, only the units/modules in the stored sets are detected and initialized.

3.2 The "Group 1 ... 4" Setting

- − All of the receivers detected by the DIGISKY which are assigned to the group are listed (up to 6 units are listed).
- − All changes are accepted at all units which are assigned to the group.
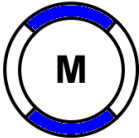- − Individual flash units included in the list can be changed.
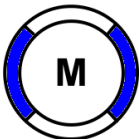
3.3 Tools / Edit
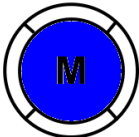
The following tools are available:

- Auto scanning (flash units and modules)
- Add manually (flash units)
- Save studioset (configure user-specific settings)
- Clear studioset (delete user-specific settings)

Use the ring controller to navigate to Tools / Edit	**M**	Studio: 8 N Units: 2 Auto scanning Add device manually Save Studioset Clear Studioset Press M for Test

3.3.1 Auto Scanning

User-specific setting can be configured here. These setting are saved to the Digisky and are retained even when the batteries are replaced.

Select Auto Scanning with the ring controller and continue to the Cancel/OK selection.	**M**	Studio: 8 N Units: 2 Auto scanning Add device manually Save Studioset Clear Studioset Press M for Test
Start auto scanning by pressing the M key.	**M**	Studio: 8 N Units: 2 Auto scanning Cancel Add device ma Ok Save Studioset Clear Studioset Press M for Test

	Flash units / receivers which belong to a stored studioset and are switched off are identified in the device list as offline: "OFFL".
	In the case of a previously saved studioset, newly detected flash units / receivers are added to the list during auto scanning. The "new" set can also be saved.

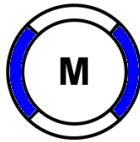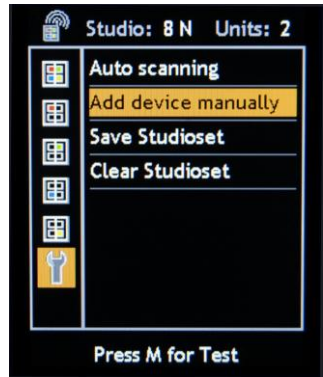|	
I	Studiosets which have not been saved are not retained after the DIGISKY is switched off! Auto scanning is started again when the device is switched back on.
➲	Save found studiosets to memory if you will use them frequently (see section 3.3.3, "Saving Studiosets", on page 14). Initialization can be avoided in this way when you switch your DIGISKY on. In this case, only the units/modules in the stored sets are detected and initialized.

3.3.2 Adding Devices Manually
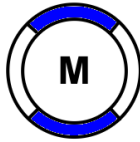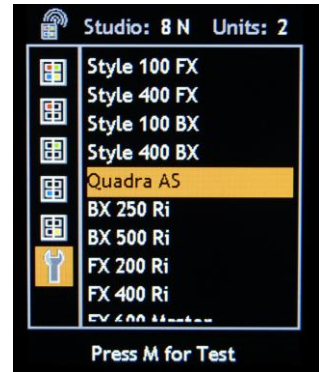
Elinchrom flash units which are not equipped with an RX module can be added to the device list manually, and assigned to a group at the same time.

If you have devices both with and without RX modules, start auto scanning (see section 3.3.1 on page 12) and add other available flash units to the device list manually after auto scanning has been completed.

List of devices currently integrated into the DIGISKY:
- Style 100 FX / Style 400 FX / Style 100 BX / Style 400 BX
- Quadra AS
- BX 250 Ri / BX 500 Ri
- FX 200 Ri / FX 400 Ri / FX 600 Master
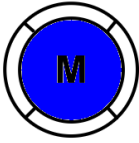
Assignment to a Group

Select Add Device Manually with the ring controller and continue to device selection.	**M**	Studio: 8 N Units: 2 Auto scanning Add device manually Save Studioset Clear Studioset Press M for Test
Select the desired device with the ring controller.	**M**	Studio: 8 N Units: 2 Style 100 FX Style 400 FX Style 100 BX Style 400 BX Quadra AS BX 250 Ri BX 500 Ri FX 200 Ri FX 400 Ri FX 600 Master Press M for Test

Acknowledge by pressing the M key and assign the flash unit / receiver to the desired group with the ring controller.		
Acknowledge by pressing the M key. The device will now appear in the device lists.		

3.3.3 Saving Studiosets

You can save up to 3 studiosets in the DIGISKY. Each user (cams 1 through 3) has its own memory.

In order to save an additional studioset, access the main menu from the functions menu by pressing the menu key and select another user (cams 1 through 3).

Only the device ID and the RF channel are saved. Group assignment is adapted during routine DIGISKY queries and can be changed at any time.
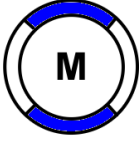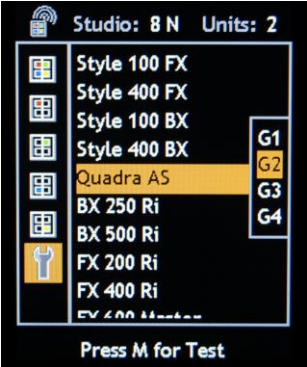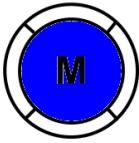
I	After a studioset has been saved, new flash units / receivers detected during auto scanning are added to the list. The "new" set can be saved.
I	After the DIGISKY has been switched off (manually or automatically), you will have to remain in the functions menu for up to 30 seconds (depending on the number of receivers) in order to allow the DIGISKY to address all receivers and include them in the device list. Otherwise, receivers/modules included in the device list might appear as offline (OFFL).

3.3.4 Clearing Studiosets

Stored studiosets can be cleared. Be sure to select the correct user (cams 1 through 3) for deletion (visible in the functions menu).

4   Errors – Error Messages – Help

Error Message / Error	Clarification / Remedy
No RX flash found ... **the flash unit is not triggered (trigger mode doesn't work).**	Are the modules/receivers switched on? Has the right RF mode been selected? Has the right RF channel been selected?
No RX flash found ... **the flash unit is triggered. (trigger mode works).**	Are RX modules/receivers available? Start auto scanning after first initialization.
Incorrect device IDs are included in the device list. 	Is Elinchrom PC software, the Elinchrom app for Iphone or Ipad, or another DIGISKY with the same RF mode and RF channel active? Switch the above mentioned Elinchrom components off / configure other DIGISKYs with different RF modes and RF channels. Another active radio network with the same settings appears at the display.

5   User Settings

Main Menu	Cam 1 / Cam 2 / Cam 3	Modes: Off / SkyPort / SkySpeed RF Channels 1 through 8
Radio menu	Auto scanning	Cancel / OK
	Add manually	List of possible devices
	Save studioset	Cancel / OK
	Clear studioset	Cancel / OK

6   Technical Data

Flash Triggering	• Radio (4 groups with 8 channels), Elinchrom Skyport and Skyspeed
	o Frequency channel 1: 2456 Mhz
	o Frequency channel 2: 2458 Mhz
	o Frequency channel 3: 2460 Mhz
	o Frequency channel 4: 2462 Mhz
	o Frequency channel 5: 2469 Mhz
	o Frequency channel 6: 2471 Mhz
	o Frequency channel 7: 2473 Mhz
	o Frequency channel 8: 2475 Mhz
Additional Accessories	• Replacement battery, order no. V070A, 3.7 V / 890 mAh

7   Update

Updates for the meter and new functions will be made available for downloading from the Gossen website.
Web address: www.gossen-photo.de

Service

In the case that your DIGISKY should not function to your full satisfaction, send it to:

Gossen Foto- u. Lichtmeßtechnik GmbH
Service Department
Lina-Ammon-Str.22
D-90471 Nuremberg, Germany

Or from outside of Germany to your national Gossen representative for inspection.

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FCC and IC Declaration

FCC & IC (USA)	
Modifications	Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
Conditions of Operations	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
15.105 Class B digital device or peripheral	This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -- Reorient or relocate the receiving antenna. -- Increase the separation between the equipment and receiver. -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -- Consult the dealer or an experienced radio/TV technician for help.
15.105 Class A digital device or peripheral	This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The following data, required for the fulfillment of FCC and IC regulations, are referred to the meter(s) mentioned in this document.

Product name: DIGISKY
Model number: H260A
FCC ID number: YXF-DIGISKY
IC number: 9333A-DIGISKY
Company name: Gossen Foto- und Lichtmeßtechnik GmbH

DIGI**SKY**
Radio Control – Elinchrom

$\mathsf{C}\,\mathsf{E}$ EG - KONFORMITÄTSERKLÄRUNG
DECLARATION OF CONFORMITY

GOSSEN

Dokument-Nr./ Document No.:	**108/2010**
Hersteller/ Manufacturer:	**GOSSEN Foto- und Lichtmeßtechnik GmbH**
Anschrift / Address:	**Lina-Ammon-Str. 22 90471 Nürnberg**
Produktbezeichnung/ Product name:	**Belichtungsmesser Lightmeter**
Typ / Type:	**DIGISKY**
Bestell-Nr. / Order No.:	**H260A**

Das bezeichnete Produkt stimmt mit den Vorschriften folgender Europäischer
Richtlinien überein, nachgewiesen durch die vollständige Einhaltung folgender
Normen:
The above mentioned product has been manufactured according to the regulations
of the following European directives proven through complete compliance with the
following standards:

Nr. / No.	Richtlinie	Directive
73/23/EWG 73/23/EEC	Elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen - Niederspannungsrichtlinie – Anbringung der CE-Kennzeichnung : 2003	Electrical equipment for use within certain voltage limits - Low Voltage Directive - Attachment of CE mark : 2003

EN/Norm/Standard	**IEC/Deutsche Norm**	VDE-Klassifikation/Classification
EN 60950-1:2006 +A11:2009	IEC 60950-1:2005	VDE 0411-1 : 1994
	2nd Edition	VDE 0413-3 : 1997

Nr. / No.	Richtlinie	Directive
89/336/EWG 89/336/EEC	Elektromagnetische Verträglichkeit - EMV - Richtlinie	Electromagnetic compatibility -EMC directive

Fachgrundnorm / Generic Standard

Nürnberg, den 15. Dezember 2010

Ort, Datum / Place, date:

Vorsitzender der Geschäftsführung

DIGISKY
Radio Control – Elinchrom

Overview of compatible Elinchrom devices:

- BXRi 250 / 500 (version 2008-2012)
- D-Lite-it (version 2009-2012)
- Digital RX 1200 / 1400
- EL-Skyport Universal
- EL-Skyport WiFi
- FX 200 Ri / 400 Ri / 600 Master
- Ranger Quadra AS
- Ranger Quadra AS RX (version 2009-2012)
- Style BX 100 / 400
- Style FX 100 / 400

The new Elinchrom models (version 2013)

- BRX 250 / 500
- D-Lite RX 2/4 / One
- Ranger Quadra BX
- Quadra Hybrid RX

Subject to change without notice

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